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(56) Documents Cited by ISA

GB 2289759 A AU 960049332 A AU 940053303 A  
US 5788639 A

Pat Abs Jpn,JP5-127682 A (FUJI PHOTO FILM CO  
LTD)25/05/93 abstract:figure Pat Abs Jpn,JP4-296811  
A (FUJI PHOTO FILM CO LTD)21/10/92 abstract:figure  
Derwent Abs Acc No.97-376446,Class U11,JP  
09159925 A (ISHIKA WAJIMA HARIMA HEAVY  
IND)20/06/97 abs fig

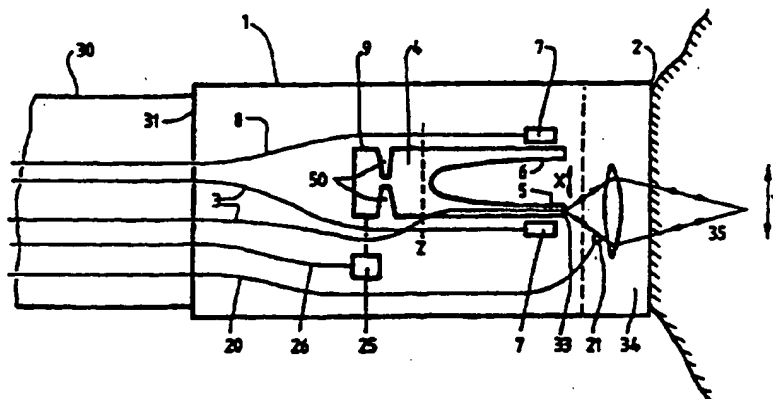
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(54) Abstract Title




Scanning microscope with miniature head

(57) The present invention provides a scanning microscope including: (1) a light source for supply of a light beam; (2) optical transmission means for transmitting the light beam from an entry end thereof proximate the light source to an exit end thereof proximate light focusing means, the light focusing means focusing the light emerging from the exit end to illuminate a point observation field on or within an object to be examined; (3) a detector to detect object emanated light emerging from the point observation field; (4) a scanner mounted in an optical head casing with the light focusing means, to cause the illuminated point observation field to scan over a two-dimensional cross section of the object such that an image of the object emanated light received by the detector over the cross section may be constructed; wherein the scanner includes counterbalancing elements to balance reactive forces caused by operation of the scanner, such that vibration of the light focusing means caused by coupling of the reactive forces to the light focusing means is reduced.



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Buy Now:  PDF | More choices...Tools: Add to Work File:  Create new Work File  GoView: Jump to:  Top  Go to: Derwent... Email this to a friendTitle: **GB2340332A: SCANNING MICROSCOPE WITH MINIATURE HEAD**

Country: GB United Kingdom

Kind: A Patent Specification <sup>1</sup> (See also: [GB2340332B](#))

Inventor: MARTIN RUSSELL \* HARRIS, , Australia

Assignee: \* OPTISCAN PTY LTD, Australia  
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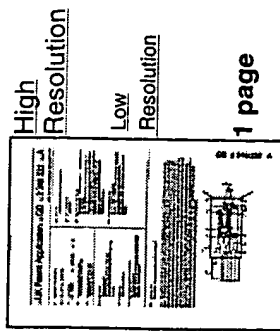
Application Number: GB1998009924347

IPC Code: G02B 21/00; G02B 21/06; G02B 21/18; G02B 26/08; G02B 26/10;



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Family:

Buy PDF	Publication	Pub. Date	Filed	Title
	WO9904301A1	Jan. 28, 1999	July 16, 1998	SCANNING MICROSCOPE WITH MINIATURE HEAD
	GB9924347A0	Dec. 15, 1999		
	GB9924347A	Dec. 15, 1999	July 16, 1998	SCANNING MICROSCOPE WITH MINIATURE HEAD
	GB2340332B	May 30, 2001	July 16, 1998	SCANNING MICROSCOPE WITH MINIATURE HEAD
	GB2340332A	Feb. 16, 2000	July 16, 1998	SCANNING MICROSCOPE WITH MINIATURE HEAD
	DE19882512T	Sept. 7, 2000	July 16, 1998	ABTASTMIKROSKOP MIT MINIATURKOPF
	AU8324998A1	Feb. 10, 1999	July 16, 1998	SCANNING MICROSCOPE WITH MINIATURE HEAD
	AU0790197A0	Aug. 7, 1997	July 16, 1997	SCANNING MICROSCOPE WITH MINIATURE HEAD
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